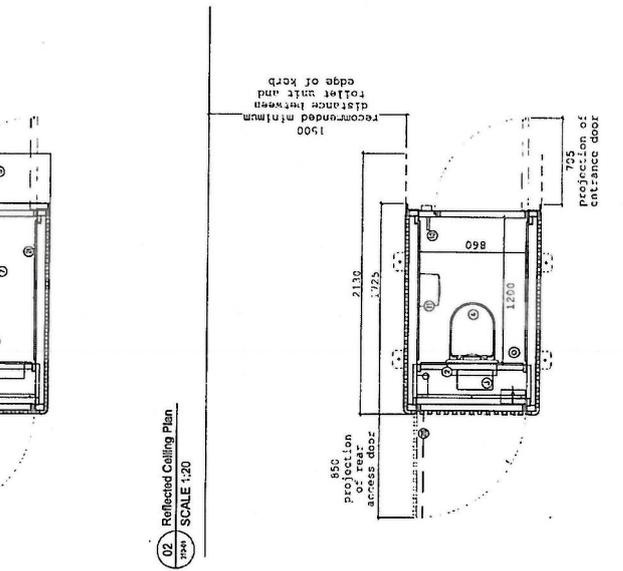
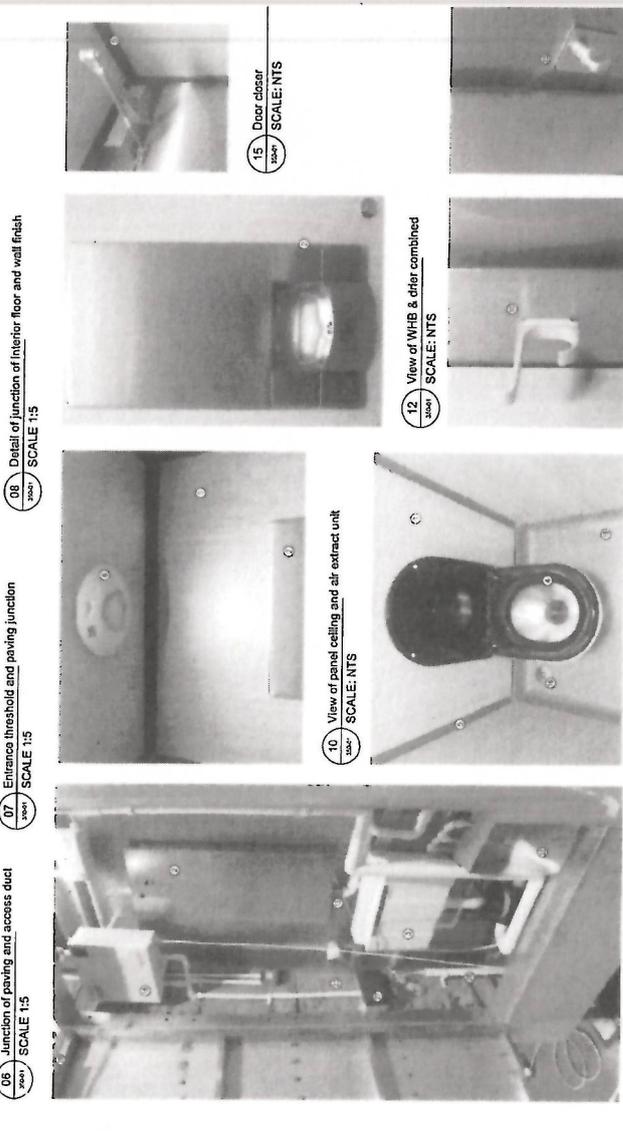
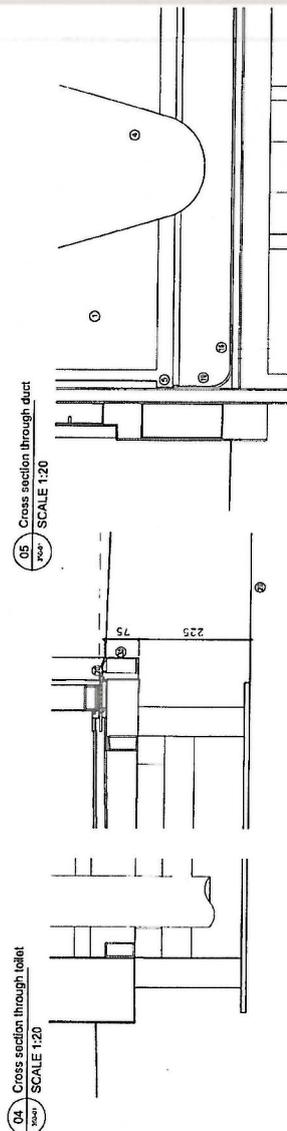
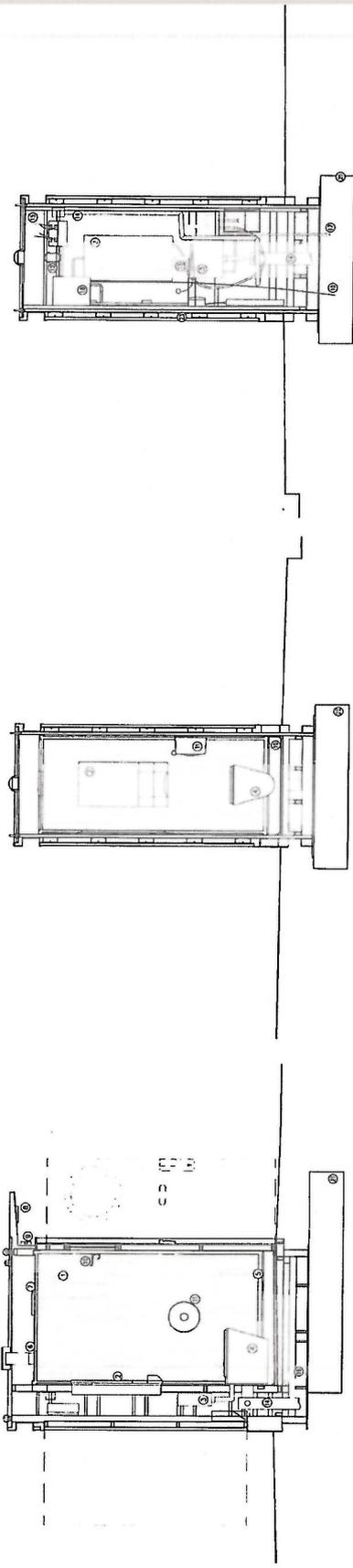


- NOTES**
1. Where the M25 DASH is used, the door will be fitted with a door handle.
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Rev	Description	Date
1	Issue for tender	10/10/17
2	Issue for construction	10/10/17
3	Issue for construction	10/10/17
4	Issue for construction	10/10/17
5	Issue for construction	10/10/17
6	Issue for construction	10/10/17
7	Issue for construction	10/10/17
8	Issue for construction	10/10/17
9	Issue for construction	10/10/17
10	Issue for construction	10/10/17
11	Issue for construction	10/10/17
12	Issue for construction	10/10/17
13	Issue for construction	10/10/17
14	Issue for construction	10/10/17
15	Issue for construction	10/10/17
16	Issue for construction	10/10/17
17	Issue for construction	10/10/17
18	Issue for construction	10/10/17
19	Issue for construction	10/10/17
20	Issue for construction	10/10/17

Bus Infrastructure

Project: Bus Drivers on Highway Toilet

Project Title: Interior drawings and details

Issued by: Tender Information

Drawn by: [Name]

Checked by: [Name]

Project No: TL_00001_16_0002

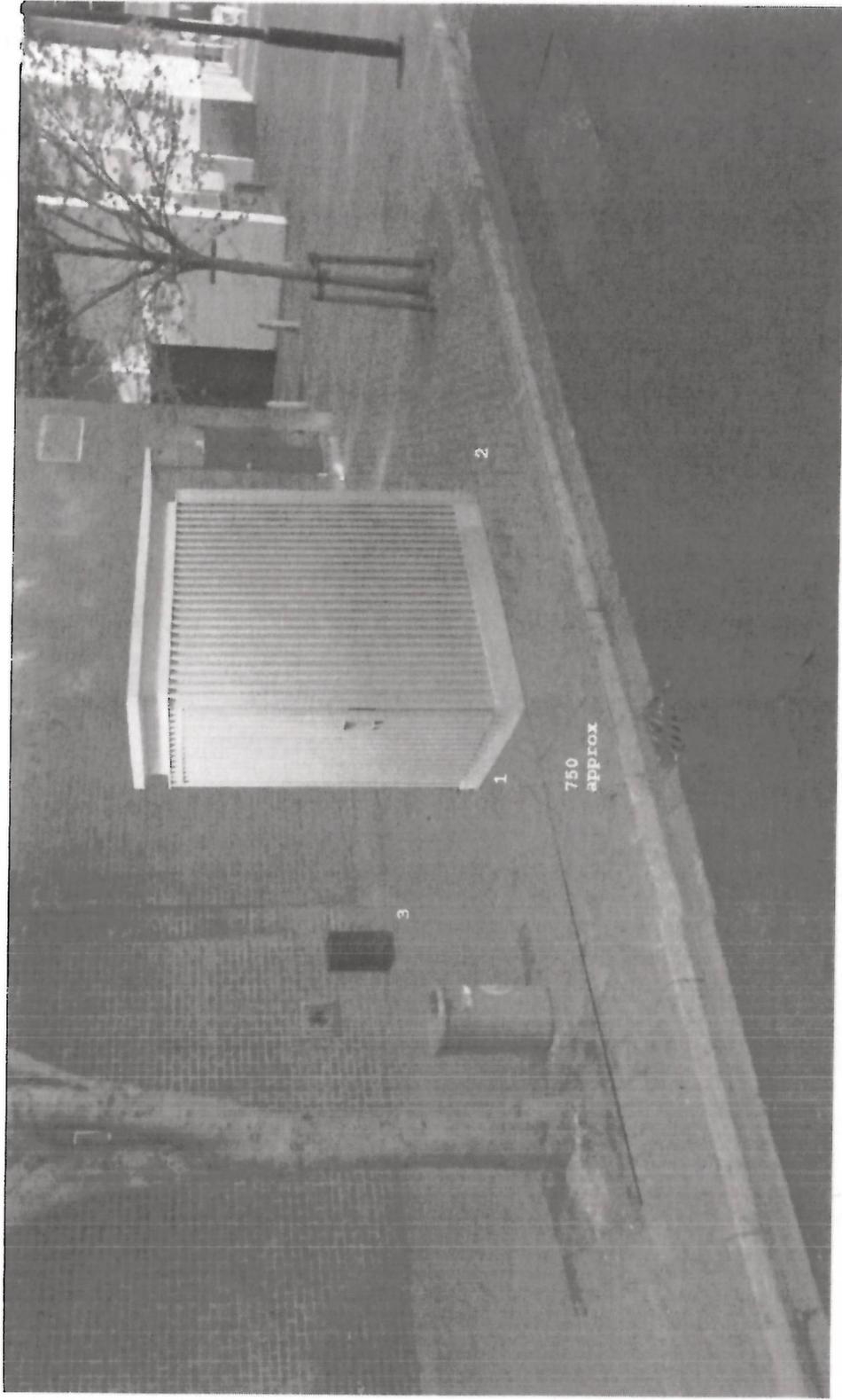
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Rev: 1

Drawn: 10/10/17

Project: 16





1 Proposed location of the new bus driver toilet is midway between the newer and older street tree pits. This takes into account the advice of the arboriculturalist and therefore the excavation for the foundations has to be in accordance with their instructions.

2 The side wall of the new facility is to be offset approximately 750mm from the kerb edge aligning with the edge of the older tree pit.

3 New meter cupboard / feeder pillar to be located next to the car park ramp wall at the back of the footway.



Bus Drivers' Highway Toilet Facility

Proposed Sketch Montage View of MOLESWORTH ST facility

Drawg No: TFL_BDOHT_A_MS_SK01

Scale: NTS

Date: 12.01.17

Drawn by: AME

Authorised: DS



Bus Drivers' on Highway Toilet Facilities

1. SCHEDULE 4 - RATES

Item	Element description	Price in £
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Note : This schedule is to be read in conjunction with the drawings and documents in Appendix A

	Main Structure	
1	The main structure of steel hollow sections and channels to form the kiosks primary elements as well as framing for the roof and extended under-chassis with forklift aperture, lifting eye bolts for ease of transport and installation. Secondary framing to line out the rear duct technical space, wall panelling supports, floor to falls and ceiling void support.	██████████
1.1	Chassis to suit depth to top of foundation of 300mm below entrance door threshold level. Rear overhang of foundation to allow for flexibility and required radii of incoming and outgoing services positions at the foundations. Refer to the LBSL Civil Engineering arrangement drawings and foundation location. Utilities include - Mains water supply to integrated WHB unit and service tap in rear duct, Waste water drainage from WHB unit and internal floor drain, Waste from WC to vented SVP. RWP from roof drainage as well as incoming electrics supply.	██████████
	Roof	
2	The main roof above the indented frieze is composed of a 74 mm deep edge tray of folded stainless steel with weather proof material to falls within to an insulated small diameter RWP that is concealed within the technical duct and protected by a leaf guard balloon. The front edge of the roof overhangs the entrance door and tapers gradually to a 39mm bright polished SS leading edge.	██████████
2.1	The perimeter of the roof has 35 mm radius corners on the rear and square corners on plan at the front overhang.	██████████
2.2	Four lifting eyes are fixed through to the main structure and suitably weatherproofed.	██████████
2.3	Cowling for the soil vent pipe in bespoke stainless steel weatherproof low profile design.	██████████
2.4	Cowling for the air extract ventilation in bespoke stainless steel weather proof low profile design.	██████████
2.5	Balloon guard for the roof drainage outlet	██████████
	Frieze	
3	An indented frieze of 150mm high between the top of the main structure and the underside of the roof overhang. Stainless Steel shot-peened by glass bead finish with radius corners profile on plan.	██████████
	External Walls	
4	The external walls are highly secure and vandal resistant and are made of stainless steel 316 grade sheets with hidden fixing details. If damaged these can only be accessed from the interior and are enclosed by an 80mm layer of high - performance Foil faced Kingspan Rigid insulation material.	██████████



Bus Drivers' on Highway Toilet Facilities

Item	Element Description	Price in £
	Thermal insulation	
5	The walls, floor and roof are to be suitably weather proofed and insulated to provide a thermal envelope to suit the requirements of the UK building regulations.	██████████
	Wall finishes	
6	External cladding is composed of vandal proof stainless steel 316 grade sheets with hidden fixings. Profiled sheet – 'square wave' – 30, 35, 30 mm 25mm deep troughs, shot blasted glass bead finish steel. Rather than being proud of the primary frame of the plinth and door architraves this sheet is set visibly flush, behind the leading edges of the faces of trims, architraves and skirting plinth. All horizontal cills, surface trims and flashings to falls away from the unit.	██████████
	Skirting Plinth	
7	The exterior base of the unit is to have a smooth blank faced skirting of Stainless steel shot peened glass bead finish showing visible minimum of 225mm following the profile on plan with radius rear corners and forming a smooth butt joint with the side faces of the door architraves. This skirting is to extend to a zone below the finished ground level to allow for transverse falls in the external paving.	██████████
	Entrance Door surround	
8	Steel T angle used to form the full architrave of the door with a 40mm projecting 12mm Leading edge of architraves to be bright polished 316 Stainless steel. All other faces shot-peened to match main walls.	██████████
	Entrance Door leaf with window and fixed side panel	
8.1	Chequerplate Pattern Stainless steel finish from Rimex 316 quality used to clad the entrance door and reinforced side leaf on exterior and interior faces. The main door leaf has a round 500mm diameter window featuring obscured glazing in a vertical "reeded" pattern and toughened and laminated translucent privacy layer sandwiched within and overall 13.5mm. The bezel surround is in 316 bright polished stainless steel. The fixed side leaf forms a location for the Codelock and lock keep as well as a fixing point for the interior coat hook. Door should be able to be handed to suit different site locations. Door and side panel should meet with a rebated leading edge for privacy.	██████████
	Ironmongery and accessories for entrance door	
8.3	Full height piano hinge in glass bead shot blasted finish. The handing of the door should be possible in left or right to suit specific site locations. This will be confirmed on the examination of each site location.	██████████
8.4	Overhead concealed automatic door closer	██████████
8.5	Seimens K42 codelock with two codes, keypad lock on side panel	██████████
8.6	SS door pull handle bespoke item with cut outs for the euro-profile cylinder locks. Plate is 3mm thick, 300 (h) with 6 tamper proof counter sunk screw fixings in a vertical brushed finish and with the folded pull to match the height of the door code. Handle located with leading top edge matching the top of the code lock and lining through with the signage plate on the door leaf. All corners with a 6mm radius and an additional thickness of 3mm polished steel to back the folded pull zone.	██████████
8.7	Euro profile cylinder lock	██████████



Bus Drivers' on Highway Toilet Facilities

Item	Element Description	Price in £
	Rear door to technical duct is a hidden door	
9	Textured step profile cladding matching the side walls used on the rear access door. Drip head and threshold trim to falls with 90 degree door stay for use during maintenance access. The base of the door is level with the top of the external skirting.	██████████
9.1	Full height piano hinge with shot peened glass bead finish	██████████
9.2	Recess door pull incorporating a euro-cylinder profile lock and a blank area of at least 120 x 120 for the application of the property plate sign. Top and bottom edge of indent tray to falls and smoothed for finger pull action.	██████████
	Interior floor	
10	Non-slip Altro Vinyl Atlas 40 - Pewter Grey 4mm thick floor sheet sloped to fall to a stainless steel trapped gully cover at the rear to the left side of the WC pan which connects to into the main soil pipe. Coved radius easy clean skirting turn-up of approximately 100 mm to meet a "z" cover trim leaving a visible shadow gap of 30 mm of the background powder coated RAL 5021 Water Blue material between SGL laminate wall panel on side and rear and neatly finished via a radial to square cut transition cove to the rear of the entrance door architraves.	██████████
	Interior ceiling	
10.1	Powder coated aluminium ceiling panel in RAL 7035 - Light Grey with apertures for the air extract and the recessed light and PIR sensor.	██████████
	Interior walls	
11	The three internal walls are finished with a full height 13mm thick Solid Grade Laminate system from Amwell Ltd in Summer Oak AM311 with recessed shadow gaps of aluminium trims in RAL 5021 Water Blue in the corners along the base and in the shadow between wall and ceiling. The panels are secret fixed and able to be removed for access to the fixings locations that hold the exterior cladding. The panels have prepared cut out areas with a WBP plywood patras for the fixing of accessories and cut out for the recessed fittings.	██████████
	Mechanical, electrical and plumbing :	
12	The Hot and cold water system complies with BS6700. PVC pipes for fresh water supply.	██████████
12.1	Insulation of all above ground water distribution pipework required.	██████████
12.2	The electrical system to comply with BS7671. It includes a control panel featuring differential circuit breaker, thermal magnetic circuit breakers and a distribution board.	██████████
	The user side of the toilet is fitted with :	
13.1	Stainless steel cantilever WC pan, equipped with cover and seat	██████████
13.2	Dolphin wash station – BC30SCA - The unit automatically dispenses a measured amount of liquid soap. After a short time delay to allow the user to lather the hands, a measured amount of temperature controlled rinse water is dispensed. Finally the integral warm air dryer is activated to dry the hands.	██████████
13.3	Stainless steel mirror 800 (h) x 500 (w)	██████████
13.4	Hat and coat hook – A single HW74 Variset - Satin Anodised Aluminium by AJ Binns fixed to the rear of the door's side panel.	██████████
13.5	Extractor fan – ceiling recessed and ducted to exterior exit point low profile cowl on roof.	██████████





Bus Drivers' on Highway Toilet Facilities

Item	Element Description	Price in £
	Toilet fittings (continued)	
13.6	PIR sensor to turn on the interior light in the presence of user. Timer set to 15 minute overrun - MG LITE PA3C08 LED light tamper proof with Emergency back-up battery pack for the public side of the toilet located within rear technical duct.	██████████
13.7	Toilet roll dispenser (Smart one in Brushed Stainless Steel mounted onto a patras cutout within the SGL panel).	██████████
	Rear technical duct (maintenance access only)	
14	Technical area is accessed via a single door leaf, equipped with fixing stay mechanism to limit door opening to 90 degrees when maintenance access is required. The underside of the door opens with a cill level equivalent to the top of the raised external skirting. The door should be able to be handed with the full height piano hinge on either side.	████████████████████
	Technical area is fitted with :	
14.1	Frost protection heating tube to keep temperature above 4 Degrees Centigrade to prevent damage.	██████████
14.2	Lever tap for cleaning use within tray cabinet facing outwards from the duct to suit the filling of the mobile cleaner's bucket.	██████████
14.3	Service light which comes on automatically when door is opened. LED HB09W activated by a reed switch in the jamb.	██████████
14.4	Weather / water proofed Electrical double socket for cleaning and maintenance use.	██████████
14.5	Consumer visitor counter.	██████████
14.6	Mains Water feed with back flow protection valve feeding the WHB unit, cistern and service tap.	██████████
14.7	Foul connection.	██████████
14.8	Toilet cistern.	████████████████████
14.9	Extractor fan HIB turbo ceiling recessed.	██████████
14.10	Distribution Board	████████████████████
14.11	Service and emergency light.	██████████
	Lighting external	
15	The kiosk is fitted with a courtesy light (photocell operated) to give illumination to the threshold area, door pull and keypad. LED source, tamper proof recessed with a housing that projects from the sloping soffit of the roof overhang.	██████████
	Branding & Signage on the exterior	
16.1	Roundel Red acrylic, 90mm diameter projecting from the steel upper indented frieze. Back- illuminated by diffused LED source controlled by a PIR to illuminate when in use. When not in use it should still be strongly Buses Red in colour.	██████████
16.2	All signage uses the typeface New Johnston Signing Medium weight on different coloured backgrounds and bordered plates and is made from Vitreous Enamel. It should be ordered from an official TFL signage manufacturer / supplier like AJ Wells. Contact details: Jake Hunter Tel: 07875 555983 VHB tape is the recommended fixing method. Confirm with the manufacturer for differing substrates.	

